

WASTEWATER TREATMENT PLANT OPERATOR (IV) - 2861

GENERAL DEFINITION OF WORK:

Performs difficult technical work in the operation and maintenance of wastewater treatment plant on an assigned shift; does related work as required. Work is performed under regular supervision.

This is medium work requiring the exertion of 50 pounds of force occasionally, up to 20 pounds of force frequently, and up to 10 pounds of force constantly to move objects; work requires stooping, kneeling, crouching, crawling, reaching, standing, walking, lifting, fingering, grasping, feeling, and repetitive motions; vocal communication is required for expressing or exchanging ideas by means of the spoken word, and conveying detailed or important instructions to others accurately, loudly, or quickly; hearing is required to perceive information at normal spoken word levels, and to receive detailed information through oral communications and/or to make fine distinctions in sound; visual acuity is required for depth perception, color perception, night vision, peripheral vision, use of measuring devices, operation of machines, determining the accuracy and thoroughness of work, and observing general surroundings and activities; the worker is subject to inside and outside environmental conditions, extreme cold, extreme heat, noise, hazards, atmospheric conditions, and oils. The worker may be exposed to bloodborne pathogens and may be required to wear specialized personal protective equipment.

ESSENTIAL FUNCTIONS/TYPICAL TASKS:

Operating the wastewater treatment plant; maintaining records; conducting tests.

Makes regular tours of plant and equipment;

Monitors and records readings from meters, gauges and instruments, reviews laboratory analyses and checks functioning of equipment;

Starts up, shuts down, regulates and adjusts motors, pumps, compressors, grinders, blowers, valves and other apparatus to meet changing operating conditions;

Conducts laboratory tests; adjusts pH and chlorine as needed;

Checks lift stations and performs necessary tasks to ensure lift stations operate properly;

Transfers, conditions and mixes sludge in thickeners and holding tanks;

Inspects plant buildings and equipment; notes need for maintenance and repair work;

Assists with training of new employees;

Advises and consults with superiors on unusual operating problems or the need for major repairs to equipment;

Cleans and clears catch basins, troughs and other components;

Prepares and maintains records and reports;

Performs general building and grounds maintenance work;

Performs related tasks as required.

KNOWLEDGE, SKILLS AND ABILITIES:

Thorough knowledge of the operating characteristics and maintenance requirements of a wastewater treatment plant; thorough knowledge of hydraulic, chemical and mechanical principles pertinent to wastewater treatment plant operations; thorough knowledge of the occupational hazards of the work and of necessary safety precautions; ability to detect flaws in the operation of mechanical equipment and to determine proper remedial measures; ability to understand and follow oral and written instructions; ability to read meters and charts accurately and to maintain records of shift operations; skill in the use and care of laboratory testing and analysis equipment and instruments; ability to establish and maintain effective working relationships with associates.

EDUCATION AND EXPERIENCE:

Any combination of education and experience equivalent to graduation from high school and extensive experience in operating a wastewater treatment plant.

SPECIAL REQUIREMENTS:

Possession of a Grade IV certification issued by the State of North Carolina.